ABSTRACT OF THE DISCLOSURE

A swager for swaging marker bands to a medical catheter, comprises an article input mechanism, the article input mechanism having a first input roller assembly for receiving and conveying an article, a first sensor for detecting a predetermined aspect of the article, a second input roller assembly for receiving and conveying the article, a positioning roller assembly for precisely aligning the article with respect to the swaging head, and a second sensor all constructed and arranged in a streamwise orientation. The swager also has a radial compression swaging head with a central swaging aperture, the swaging head being aligned and communicatively coupled with the input mechanism to receive an input article from the article input mechanism and to swage the article, the swaging head being rotatable and including (i.) a unitary die plate including a plurality of die segments movably coupled to each other to provide a radial compressive force to the article disposed in the central swaging aperture; and (ii.) a closing plate pivotally coupled with respect to each other. The swager also has an output mechanism aligned and communicatively coupled with the swaging head to receive the swaged article. A swaging head and die are also disclosed.

The following attorney's file path identification forms no part of the disclosure or claims of this application: g:\clients\machinesolutions-msi\swager\conversionap\swagerusapp.doc